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IS 752 (1984): Handloom Cotton Muslin, Bleached [TXD 8: Handloom and Khadi]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard
SPECIFICATION FOR
HANDLOOM COTTON MUSLIN, BLEACHED
(*First Revision*)

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INDIAN STANDARDS INSTITUTION
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

Indian Standard

SPECIFICATION FOR HANDLOOM COTTON MUSLIN, BLEACHED (*First Revision*)

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Indian Standard

SPECIFICATION FOR HANDLOOM COTTON MUSLIN, BLEACHED

(*First Revision*)

0. FOREWORD

0.1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 10 August 1984, after the draft finalized by the Handloom and Khadi Sectional Committee had been approved by the Textile Division Council.

0.2 This standard, which was first published in 1955, has been taken up for revision, in order to make it up-to-date. Important changes carried out in the standard are:

- a) deletion of breaking strength values since the standard specifies the use of cotton yarn conforming to IS : 171-1973*,
- b) deletion of one variety and inclusion of another new variety, and
- c) inclusion of inspection, marking and packing clauses.

0.3 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS : 2-1960†. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard prescribes the constructional particulars and other requirements of five varieties of handloom cotton muslin, bleached.

2. TERMINOLOGY

2.1 *Muslin* — A generic term for a light weight open cloth of plain or plain gauze weave. Normally muslins do not exceed 68 g/m². In some cases, grey fabric is used for example butter muslin and cheese cloth, whereas for others (dress material) bleached and dyed muslin is used.

*Specification for grey cotton yarn (*second revision*).

†Rules for rounding off numerical values (*revised*).

3. MANUFACTURE

3.1 Yarn — The cotton yarn used in the manufacture of muslin shall conform to IS : 171-1973*.

3.2 Cloth — The muslin shall be free from substances liable to cause subsequent tendering.

4. REQUIREMENTS

4.1 The constructional particulars of muslin shall conform to those given in Table 1.

TABLE 1 CONSTRUCTIONAL PARTICULARS OF HANDLOOM COTTON MUSLIN

VARI- ETY No.	COUNT OF YARN*		ENDS/ cm	PICKS/ cm	MASS LENGTH		WIDTH	WEAVE
	Warp	Weft						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Cotton tex count	Cotton tex count			g/m ²	m	cm	
1	60s (9·8)	60s (9·8)	26	23	50	20 or as declared	107	Plain to 137 or as agreed
2	64s (9·2)	80s (7·4)	28	22	40			
3	80s (7·4)	80s (7·4)	30	29	45			
4	100s (6)	80s (7·4)	38	35	48			
5	120s (4·9)	100s (6)	43	30	40			
TOLERANCE, — PERCENT	—	—	± 5	± 5	± 5	See Note	± 2	—
METHOD OF — TEST	— IS : 1963-1981† IS : 1964-1970† IS : 1954-1969§							Visual

NOTE — The length shall be not less than the declared or marked value.

*For guidance only.

†Methods for determination of threads per unit length in woven fabrics (*second revision*).

‡Methods for determination of weight per square metre and weight per linear metre of fabrics (*first revision*).

§Methods for determination of length and width of fabrics (*first revision*).

4.2 The requirements of muslin shall also conform to the requirements given in Table 2.

4.3 If, in order to illustrate or specify the indeterminable characteristics, such as general appearance, lustre, feel, and shade of the muslin, a sample has been agreed upon and sealed, the supply shall be in conformity with the sample in such respects.

*Specification for grey cotton yarn (*second revision*).

4.3.1 The custody of the sealed sample shall be a matter of prior agreement between the buyer and the seller.

**TABLE 2 REQUIREMENTS OF HANDLOOM COTTON
MUSLIN, BLEACHED**

(Clause 4.2)

Sl. No.	CHARACTERISTIC	REQUIREMENT	METHOD OF TEST
i)	Dimensional change, percent, <i>Max</i>	4	IS : 2977-1964*
ii)	Scouring loss, percent, <i>Max</i>	2.5	IS : 1383-1977† (Mild Method)

*Method for determination of dimensional changes of woven fabrics (other than wool) on soaking in water.

†Methods for determination of scouring loss in grey and finished cotton textile materials (*first revision*).

5. INSPECTION

5.1 The muslin when visually inspected should be reasonably free from the following defects:

- a) More than two adjacent ends running parallel, broken or missing and extending beyond 20 cm;
- b) Weft crack or more than two missing picks across the width of the material;
- c) Prominently noticeable weft bar due to the difference in raw material, count, twist, lustre, etc;
- d) Noticeable selvedge defects;
- e) Noticeable warp or weft float in the body;
- f) Noticeable oil or other stains;
- g) Noticeable hole; cut or tear up to 3 mm in size;
- h) Smash rupturing the texture of the fabric;
- j) Undressed snarls noticeable throughout the piece;
- k) Conspicuous gout due to foreign matter usually lint or waste woven into cloth;
- m) Conspicuous broken pattern; and
- n) Any other flaw which would mar the appearance or affect the serviceability and/or durability of the cloth.

5.1.1 Details of the defects are given in IS : 4125-1967*.

*Glossary of terms pertaining to defects in fabrics.

6. MARKING

6.1 The muslin shall be suitably marked or labelled with the following information:

- a) Manufacturer's name, initials or trade-mark;
- b) Name of the material and variety number; and
- c) Length (m) and width (cm) of the piece.

6.1.1 The muslin may also be marked with the ISI Certification Mark.

NOTE — The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act and the Rules and Regulations made thereunder. The ISI Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well-defined system of inspection, testing and quality control which is devised and supervised by ISI and operated by the producer. ISI marked products are also continuously checked by ISI for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors may be obtained from the Indian Standards Institution.

7. PACKING

7.1 Unless otherwise agreed upon by the buyer and the seller, the muslin shall preferably be packed in bales or cases in conformity with the procedure laid down in IS : 1347-1972* or IS : 293-1980†.

8. SAMPLING

8.1 Lot — The quantity of handloom cotton muslin of the same variety and width delivered to a buyer at a time shall constitute a lot.

8.2 To ascertain the conformity of the lot to the requirement of this standard, sample shall be drawn and inspected from each lot separately.

8.3 The number of pieces to be selected at random for inspection shall be in accordance with Table 3.

TABLE 3 SAMPLE SIZE AND PERMISSIBLE NUMBER OF NON-CONFORMING PIECES

LOT SIZE	SAMPLE SIZE	PERMISSIBLE NUMBER OF NON-CONFORMING PIECES	Sub-SAMPLE SIZE	PERMISSIBLE NO. OF NON-CONFORMING PIECES
(1)	(2)	(3)	(4)	(5)
Up to 25	3	0	2	0
26 „ 50	5	0	2	0
51 „ 150	8	0	3	0
151 „ 300	13	1	3	0
301 „ 500	20	1	5	0
501 „ 1 000	32	2	8	1
1001 and above	50	3	8	1

*Specification for inland packaging of cotton cloth and yarn (first revision).

†Code for seaworthy packaging of cotton yarn and cloth (third revision).

8.4 Number of Tests and Criteria for Conformity

<i>Characteristics</i>	<i>Number of Tests</i>	<i>Criteria for Conformity</i>
Visual inspection, ends, picks, length and width	According to col 2 of Table 3	Number of non-con- forming pieces not to exceed corres- ponding number given in col 3 of Table 3
Dimensional change	According to col 4 of Table 3	Number of non-con- forming pieces not to exceed corres- ponding number given in col 5 of Table 3
Scouring loss	do	All the test specimens meet the corres- ponding require- ments

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INDIAN STANDARDS

ON

HADLOOM COTTON FABRICS

IS:

745-1975	Handloom cotton bed sheets (<i>first revision</i>)
746-1955	Handloom cotton blankets, grey or coloured
747-1982	Handloom cotton bunting cloth, dyed (<i>first revision</i>)
748-1974	Handloom cotton <i>DHOTIS</i> (<i>first revision</i>)
749-1978	Handloom cotton dungri cloth (<i>first revision</i>)
750-1976	Handloom cotton <i>LUNGIES</i> (<i>first revision</i>)
751-1953	Handloom cotton mazri cloth (loomstate)
752-1955	Handloom cotton muslin, bleached
753-1983	Handloom cotton pugree cloth, bleached or dyed (<i>first revision</i>)
754-1974	Handloom cotton <i>SARIS</i> (<i>first revision</i>)
755-1955	Handloom cotton <i>MALMAL</i> , bleached
756-1955	Handloom cotton dosuti, grey, scoured, bleached or dyed
757-1971	Handloom cotton lint, absorbent, bleached
758-1982	Handloom cotton gauze, absorbent, non-sterilized (<i>third revision</i>)
854-1981	Handloom cotton turkish towels and towelling cloth (<i>first revision</i>)
855-1979	Handloom cotton honeycomb towels and towelling cloth (<i>first revision</i>)
856-1971	Handloom cotton cotton huckaback towels (<i>first revision</i>)
858-1981	Handloom cotton table cloth and napkins (<i>first revision</i>)
859-1978	Handloom cotton dusters (<i>first revision</i>)
860-1956	Handloom cotton sponge cloth, grey, striped and checked
861-1983	Handloom cotton jaconet cloth, grey, dressed (<i>first revision</i>)
862-1956	Handloom cotton ticking cloth, grey, striped
863-1969	Handloom cotton bandage cloth, non-sterilized (<i>first revision</i>)
864-1956	Handloom cotton light sheeting, grey
889-1957	Handloom worsted bunting cloth, heavy
890-1957	Handloom worsted bunting cloth, light
891-1957	Handloom worsted shirting
892-1980	Handloom wool blankets, natural grey/brown (<i>second revision</i>)
893-1957	Handloom woollen blankets, ordinary, plain or check
894-1980	Handloom woollen blankets, brick red (<i>first revision</i>)
895-1957	Handloom woollen blanketing cloth
896-1957	Handloom woollen, <i>KAMBLIES</i> , loomstate
1093-1981	Handloom cotton Madras hand kerchiefs (<i>first revision</i>)
1094-1976	Handloom cotton <i>GADA</i> cloth (<i>first revision</i>)
1095-1957	Handloom cotton dress material, bleached, dyed, printed, striped or checked
1096-1957	Handloom cotton Holland cloth, unscoured
1097-1979	Handloom cotton mosquito netting (<i>first revision</i>)
1098-1957	Handloom cotton cambric, bleached
1099-1957	Handloom cotton lining cloth, dyed
1100-1978	Handloom cotton crepe (<i>first revision</i>)
1101-1981	Handloom cotton cellular shirting (<i>first revision</i>)
1102-1968	Handloom buckram cloth (<i>revised</i>)
1240-1958	Handloom cotton <i>NAINSOOK</i> , bleached or dyed
1241-1958	Handloom cotton calico, bleached or dyed
1242-1975	Handloom cotton shirting (<i>first revision</i>)
1243-1981	Handloom cotton coating (<i>first revision</i>)
1244-1958	Handloom cotton longcloth, bleached or dyed
1245-1958	Handloom cotton <i>PYJAMA</i> cloth, grey with stripes
1246-1978	Handloom cotton curtain cloth (<i>first revision</i>)
1247-1958	Handloom cotton Madras check

IS :

1265-1958	Handloom woollen tweed
1266-1958	Handloom serge
1267-1958	Handloom worsted raffal shawls
1268-1958	Handloom worsted <i>LOHIS</i>
1450-1972	Handloom cotton floor <i>DURRIES</i> (<i>first revision</i>)
1451-1979	Handloom cotton drills (<i>first revision</i>)
1556-1960	Handloom cotton poplin, bleached or dyed
1557-1972	Handloom cotton bed <i>DURRIES</i> (<i>first revision</i>)
1579-1979	Handloom cotton twills (<i>first revision</i>)
1583-1960	Handloom silk <i>DHOTIES</i> , loomstate
1584-1960	Handloom silk shirting, loomstate
1686-1960	Handloom silk bush shirt cloth, loomstate
1687-1960	Handloom silk <i>KORA</i> (loomstate) cloth
1814-1961	Handloom cotton mootus, striped or checked
1937-1961	Handloom cotton bleeding Madras, loomstate
1939-1975	Handloom cotton handkerchiefs (<i>first revision</i>)
2157-1962	Handloom shoddy woollen blankets (double face)
2158-1962	Handloom viscose staple fibre <i>LUNGIES</i> , striped or checked
2159-1962	Handloom viscose staple fibre shirting, bleached, dyed, striped or checked
2160-1962	Handloom viscose staple fibre coating, bleached, dyed, striped or checked
2172-1962	Handloom filament rayon <i>SARIS</i>
2173-1962	Handloom melton (shoddy) cloth
2207-1962	Handloom printed silk <i>SARIS</i>
2481-1963	Handloom sheddy wool blankets (single faced)
2714-1964	Handloom pile fabric
2715-1964	Handloom cloth, collar, white
3357-1965	<i>MATKA</i> silk fabric
3358-1965	Dupion silk fabric
3359-1965	Silk coating
3769-1965	Pugree cloth, cotton khadi
3770-1966	<i>DOSUTI</i> , cotton khadi
3771-1966	Longcloth, cottonkhadi, bleached
3772-1966	Mazri, cotton khadi, scoured
3773-1966	Napkins, cotton khadi, bleached
3774-1966	Table cloth, cotton khadi, bleached
3775-1983	Huckaback towels, cotton <i>KHADI</i> , bleached/dyed (<i>first revision</i>)
3776-1966	Bed sheets, cotton <i>KHADI</i> , bleached
3777-1966	Dusters, cotton <i>KHADI</i> , bleached
3778-1966	Dungri cloth, cotton khadi, bleached
3779-1966	Sheeting cloth, cotton khadi, bleached
3780-1966	Lining cloth, cotton khadi, dyed
3781-1966	Honeycomb towels, cotton khadi, bleached
3782-1966	Sponge cloth, cotton khadi, grey
3783-1966	Blankets, superior, brick-red, wool khadi
3784-1966	Cotton khadi, bleached, for general purposes
4106-1967	Bunting clotton khadi, dyed
4107-1967	Blanketing cloth, wool khadi
4371-1967	<i>KAMBLIES</i> wool khadi, loomstate
4372-1967	Cloth, twill, dyed, wool khadi
4629-1968	Blankets, plain or check, wool khadi
6237-1971	Handloom cotton cloth for plaster of paris bandages and cut bandages
6906-1982	Requirements for colour fastness of handloom cotton textiles (<i>first revision</i>)
7216-1974	Handloom cotton angavastram
8039-1976	Handloom cotton mix <i>SARIS</i>
8797-1978	Handloom cotton fabric for school uniforms